



File No.: 6013-147US MG/lyl

Montréal, Canada

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Leon-Etienne Parent et al.

Serial No.:

10/779,637

Filing Date:

February 18, 2004

Art Unit:

1761

Title:

ORGANO-PHOSPHATIC FERTILIZER

### FIRST INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

#### NO FEE

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on a PTO-1449 form is a listing of the documents known to applicant in order to comply with applicant's duty of disclosure pursuant to 37 C.F.R. § 1.56.

The submission of any document which is not a statutory bar is not intended as an admission that such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a <u>prima facie</u> prior art reference against the claims of the present application.

#### Statement of Relevancy

The listed document is being submitted either in compliance with 37 C.F.R. §1.97(b), within three (3) months of the filing date of a national application or of the date of entry of the national stage in an international application, or before the mailing of a first Office Action after the filing of a request for continued examination under §1.114; or pursuant to 37 C.F.R. §1.97(e)(1), within three (3) months from the date of an office action or of a search report issued in a foreign counterpart application citing each of the documents contained in the present statement; or pursuant to 37 C.F.R. §1.97(e)(2), within three (3) months from the first knowledge of each submitted document by any individual designated in C.F.R. §1.56(c), when each such document was not cited in a communication from a foreign patent office in a counterpart foreign application.

In the case of submission under 37 C.F.R. §1.97(e)(1) and (2), the undersigned Attorney/Agent of Record hereby certifies that the enclosed list of references is hereby submitted within three months (1) from the issuance of the foreign action or search report, or (2) from said first knowledge, respectively.

The Examiner is kindly requested to consider these references during the examination of the above-identified application, making the references of record, and to return an initialed copy of the PTO-1449 Form to the below-signed agent.

Respectfully,

November 10, 2005

Agent of the Applicant/

Michel Bélanger, Reg. No. 38,015

OGILVY RENAULT LLP

Customer Number: 020988

Substitute for form 1449A and B/PTO

\Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

	Co	omplete if Known	7
	Application Number	10/779,637	
Filing Date		February 18, 2004	
	First Named Inventor	Leon-Etienne Parent et al.	
	Art Unit	1761	
	Examiner Name	SAYALA, CHHAYA D	
_	Attorney Docket Number	6013-147US MG/sl	



Examiner Initials*	Cite No.1	Document Number  Number – Kind Code <sup>2</sup> (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		US 5,749,934	05-12-1998	L.E. Parent et al.	
		US 5,118,337	06-02-1992	Erik D. J. Bleeker	•
		US 6,409,788	06-25-2002	Larry P. Sower	
		US 5,212,077	05-18-1993	Erik D. J. Bleeker	
		US 5,411,568	05-02-1995	William P. Moore	
		US 6,033,570	03-07-2000	Michel Grisé	

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document	MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages	T		
Initials*	No.1	Country Code3 - Number4 - Kind Code5 (If known)		Applicant Of Cited Document	or Relevant Figures Appear	Τ°		
		WO 00/20618	04-13-2000	Fraunhofer-Gesellschaft Zur				
		CA 2,144,234	09-11-1995	Edorardo Marchese		<u> </u>		
		WO 91/13835	09-19-1991	Bleeker, Erik et al.				
1		EP 0 370 565	11-15-1989	Woudstra, J.				
		FR 2,262,104	09-19-1975	C.W.P. of California inc.				
		JP 59-164690	09-17-1984	HASEGAWA TADAO		$oxed{\Box}$		
		WO 00/00452	01-06-2000	Arthur Van Brempt et al.				
		WO 99/56073	11-04-1999	De Bruin, Petrus et al.				

7		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examin er Initials*	No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		A. BREEUWSMA et al, 1992, Phosphorus fertilisation and environmental effects in the Netherlands and the Po region (Italy), Report 57, Netherlands, Winand Staring Centre for Integrated Land, Soil, Water Res., Wageningen	
		L. KHIARI et al., 2000, An Agri-Environmental Phosphorus Saturation Index for Acid Coarse-Textured Soils, J. Environ. Qual., 29:1561-1567	
		C. ABBES et al, 1995, N Uptake and Recovery by Onions from Peat-Mineral Fertilizers, Can. J. Soil Sci. 75: 273-280	
		T. R. FOX et al., 1990, Phosphorus and Aluminum Release from a Spodic Horizon Mediated by Organic Acids, Soil Sci. Soc. Am. J. 54: 1763-1767	
		P.N.S. MNKENI et al., 1985, Retention of Ortho- and Polyphosphates in some Quebec Soils as Affected by Added Organic Residues and Calcium Carbonate, Can. J. Soil Sci. 65: 575-585	
		F. IYAMUREMYE et al., 1996, Organic Amendments and Phosphorus Dynamics: 1. Phosphorus Chemistry and Sorption, Soil Science 161(7): 426-451	
		STEVENSON, 1986, The Phosphorus Cycle,231-284.	

Substitute for form 1449A and B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	

Complete if Known					
Application Number	10/779,637				
Filing Date	February 18, 2004				
First Named Inventor	Leon-Etienne Parent et al.				
Art Unit	1761				
Examiner Name	SAYALA, CHHAYA D				
Attorney Docket Number	6013-147US MG/sl				

 The state of the s
W. L. LINDSAY et al, 1962, Identification of Reaction Products from Phosphate Fertilizers in Soils, Soil Science Society Proceedings, 446-452
A. MEHLICH, 1984, Mehlich 3 Soil Test Extractant: A Modification of Mehlich 2 Extractant, Commun. Soil Sci Plant Anal. 15(12): 1409-1416
J.C. LAVERTY, 1963, A Modified Procedure for the Determination of Phosphorus in Soil Extracts, Soil Sci. Soc. Proc. 27:360-361
D. W. NELSON et al., 1982, Methods of soil analysis, No. 9 Part 2, Chemical and Microbiological Properties, Agronomy Monogr. 9, Am. Soc. Agronom., Madison, WI, 539-579
J. A. MCKEAGUE, 1978, Manuel de méthodes d'échantillonnage et d'analyse des sols, 202-206
H. E. SHOEMAKER et al., 1961, Buffer Methods for Determining Lime Requirement of Soils with Appreciable Amounts of Extractable Aluminum, Soil Sci. Soc. Proc. 25: 274-277
S. KUO, 1996, Phosphorus, Soil Sci. Soc. Am. Book, Ser. 5. Methods of soil analysis, Madison, WI, 869-
G. W. PETERSEN et al, 1966, A Modified Chang and Jackson Procedure for Routine Fractionation of Inorganic Soil Phosphates, Soil Sci. Soc. Amer. Proc. 30:63, 564-565
R. A. BOWMAN et al., 1993, Basic Edta as an Extractant for Soil Organic Phosphorus, Soil Sci. Soc. Am. J. 57: 1516-1518
S.E.A.T.M. VAN DER ZEE et al., 1987, A New Technique for Assessment of Reversibly Absorbed Phosphate, Soil Sci. Soc. Am. J., 51:599-604
H.A. SISSINGH, 1971, Analytical technique of the Pw method, used for the assessment of the phosphate of arable soils in the Netherlands, Plant and Soil, 34:483-486
G. S. HIRA et al, 1978, Prediction of Phosphorus Diffusion from Fertilizer Source, Soil Sci. Soc. Am. J. 42: 561-565
P. RIGA et al., 1998, Ionic-Equilibrium Time inside Ceramic Cups in Unsaturated Porous Media, Soil Sci. Soc. Am. J. 62: 574-579
D. W. JAMES et al., 1990, Soil Sample Collection and Handling: Technique Based on Source and Degree of Field Variability, Soil Sci. Soc. Am. No. 3: 25-44

Substitute fo	or form 1449A and	B/PTO		Complete if Known	
				Application Number	10/779,637
INF	ORMATIC	N DIS	CLOSURE	Filing Date	February 18, 2004
STATEMENT BY APPLICANT	First Named Inventor	Leon-Etienne Parent et al.			
(use as many sheets as necessary)		Art Unit	1761		
		Examiner Name	SAYALA, CHHAYA D		
Sheet	3	of	3	Attorney Docket Number	6013-147US MG/sl

P. M. GIORDANO et al, 1969, Phosphorus Availability to Corn as Affected by Granulating Manganese with Ortho- and Pyrophosphate Fertilizers, Soil Sci. Soc. Amer. Proc., vol. 33, 1969. 460-463	
P. R. DAY, 1965, Particle Fractionation and Particle-Size Analysis in Methods of soil analysis. Part 1. No. 9 Physical and mineralogical properties, Including Statistics of Measurement and Sampling, 545-567	
G. S. HIRA et al., 1977, Observed and Predicted Rates of Phosphorus Diffusion in Soils of Varying Bulk Density and Water Content, Soil Sci. Soc. Am. J. 41: 537-540	
B. B. SINGH et al., 1976, Phosphorus Sorption and Desorption Characteristics of Soil as Affected by Organic Residues, Soil Sci. Soc. Am. J. 40:389-394	
R. J. HAYNES, 1982, Effects of liming on phosphate availability in acid soils, Plant and Soil 68: 289-308	
R. BARNHISEL et al., <i>Methods of soil analysis, Part 2, Chemical and Microbiological Properties -</i> Agronom Monogr 9, Am. Soc. Agronom., Madison W.I. 1982, 275-298	
A. N. SHARPLEY et al., 1989, Modeling Soil and Plant Phosphorus Dynamics in Calcareous and Highly Weathered Soils, Soil Science Society of America Journal, 53(1), 153-158	

		<del></del>
Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER; Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.